Miami-Dade County, Florida
DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES
BOARD AND CODE ADMINISTRATION DIVISON
PRODUCT CONTROL SECTION
11805 S.W. 26 Street-Room 208
Miami, Florida 33175-2474
T (786) 315-2590 Fax (786) 315-2599

Laboratory Certificate

MIAMI-DADE COUNTY APPROVED

This certifies that Intertek Testing Services NA Ltd. located at 6225 Kenway Drive, Mississauga, Ontario L5T 2L3 Canada is an approved Testing Laboratory in accordance with Miami-Dade County Department of Regulatory and Economic Resources and Protocol TAS301-94, and is Certified to perform the following tests:

AAMA 103(Section 5)	ASTM E987
AAMA 920	ASTM E2068
AAMA 925	ASTM F588
AAMA 1304	ASTM F842
ASTM E283	TAS 201
ASTM E330	TAS 203
ASTM E331	Standards Council of Canada Certificate No. 36
ASTM E547	I.A.S. Certificate TL-273

Results of the above mentioned test shall be properly submitted to the Miami-Dade County Department of Regulatory and Economic Resources per TAS301-94, along with all other documentation required for the approval of products. Approved engineer(s) for this laboratory:

Frederick Curkeet, P.E.

This Certification and Registration Approved: **May 8, 2014**
This Certification and Registration Expires : **July 15, 2019**

Certification No. : **14-0416.07** *Renews: 09-0325.05*

Jaime D. Gascon, P.E.
Product Control Section Supervisor
Product Control Section

Americo Segura, M.S.
Quality Assurance Unit Supervisor
Product Control Section

The Miami-Dade County Department of Regulatory and Economic Resources reserves the right to remove this certification for non-compliance with rules and regulations as set by Protocol TAS301-94.

International Accreditation Service

CERTIFICATE OF ACCREDITATION

This is to signify that

INTERTEK TESTING SERVICES NA LTD.

6225 KENWAY DRIVE
MISSISSAUGA, ONTARIO L5T 2L3
CANADA

Testing Laboratory TL-273

has met the requirements of the IAS Accreditation Criteria for Testing Laboratories (AC89), has demonstrated compliance with ANS/ISO/IEC Standard 17025:2005, *General requirements for the competence of testing and calibration laboratories*, and has been accredited, commencing May 7, 2012, for the test methods listed in the approved scope of accreditation.

Patrick V. McCullen
Vice President

C. P. Ramani, P.E.
President

ACCREDITED

(see attached scope of accreditation for fields of testing and accredited test methods)

Print Date: 05/23/2012

11-04577

International Accreditation Service

SCOPE OF ACCREDITATION

Intertek Testing Services NA Ltd. TL-273

Intertek Testing Services NA Ltd.
6225 Kenway Drive
Mississauga, Ontario L5T 2L3
Canada

Jim Daly
Operations Manager
(905) 678-7820

FIELDS OF TESTING	ACCREDITED TEST METHODS
Physical/Structural	ASTM Standards B 117, D 143, D 198, D 638, D 790, D 1598, D 1761, D 4442, D 4444, D 6109, D 6111, D 6112, D 6117, D 6341, E 8, E 96, E 283, E 330, E 331, E 547 and F 842; AAMA Standards 101/1S 2 and 501.1; WDMA I.S. Standards 2, 3, 6, 7, 8 and 9; NAFS-1; Test methods referenced in Section 4 of ICC-ES Acceptance Criteria AC12 (Sections 4.5.11.5.3, 4.5.7, 4.5.14, 4.15.1 and 4.15.2 only), AC114, AC273 (Section 4.0) and AC377 (Section 3.0 except Sections 3.2 and 3.3); BNQ Standard 3624-250 Section 6.2.1.2
Equipment	ANSI/BHMA Standards A156.2 (Section 9.4 only); ANSI/UL Standards 48, 50, 746C, 924, 1563 and 1995
Deckboard Span Rating and Hand Rail Systems	Test methods referenced in Section 3, 4 and 5 of ICC-ES Acceptance Criteria AC174 (except Sections 3.9 and 3.10)

May 7, 2012
Commencement Date

ACCREDITED

C. P. Ramani, P.E.
President

Print Date: 05/23/2012

11-04680

Standards Council of Canada
Conseil canadien des normes

200-270, rue Albert St.
Ottawa, ON (Canada)
K1P 6N7

Canada

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Fax: +1 613 569 7808
E-mail/Courriel: info@scc.ca
Internet: http://www.scc.ca

SCOPE OF ACCREDITATION

Intertek Testing Services NA Ltd.
ITS TORONTO LABORATORY
6225 Kenway Drive
Mississauga, ON
L5T 2L3

Accredited Laboratory No. 36
(Conforms with requirements of CAN-P-4E (ISO/IEC 17025:2005))

CONTACT:	Mr. Jim Daly
TEL:	+1 905 678 7820
FAX:	+1 905 678 7131
EMAIL:	james.daly@intertek.com
URL:	www.intertek.com
CLIENTS SERVED:	All interested parties
FIELDS OF TESTING:	Electrical/Electronic, Mechanical/Physical, Thermal & Fire Resistance
ISSUED ON:	2013-06-24
VALID TO:	2016-06-12

The following is a Scope of Accreditation for which this testing laboratory has been accredited to ISO/IEC 17025:2005. Note that the parent organization is also accredited as a certification body. The parent organization s Scope of Accreditation for certification activities may be broader than the listing of standards and test methods that appear below. Refer to the parent organization s Scope of Accreditation granted by the SCC for certification activities found at:
http://www.scc.ca/en/accreditation/product-process-and-service-certification/directory-of-accredited-clients
Where standards, such as product standards, are listed below, the laboratory is considered accredited only for the testing elements in those standards.

CONSTRUCTION

Building Constructions and Prefabricated Buildings

ASTM E1105	Water Penetration of Windows and Doors, Field Test

ASTM E72	Conducting Strength Test of Panels for Building Construction Except for: Section 10 Tensile Load and Section 14 Racking Load
ASTM E783	Air Exfiltration for Doors/Windows, Field Test

(Insulating Materials)

ASTM C 1029 as per: ASTM C 1363 ASTM C 518 ASTM C 165 ASTM D 1621 ASTM E 96 ASTM D 2842 ASTM D 1623 ASTM D 2126	Standard Specification for Spray-Applied Rigid Cellular Polyurethane Thermal Insulation Except for: High humidity condition in ASTM D2126
ASTM C 1289 as per: ASTM C 518 ASTM C 1363 ASTM D 1621 ASTM D 2126 ASTM C 203 ASTM C 209 ASTM E 96	Standard Specification for Faced Rigid Cellular Polyisocyanurate Thermal Insulation Board Except for: High humidity condition in ASTM D2126 Procedure BW: Inverted Water Method in ASTM E96
ASTM C 411	Standard Test Method for Hot-Surface Performance of High-Temperature Thermal Insulation
ASTM C518	Standard Test Method for Steady-Stae thermal Transmission Properties by Means of the Heat Flow Meter Apparatus
ASTM C578 as per: ASTM C 870 ASTM C 303 ASTM D 1622 ASTM C 550 ASTM C 518 ASTM C 1363 ASMT C 165 ASTM C 203 ASTM E 96 ASTM C 272 ASMT D 2126	Standard Specification for Rigid, Cellular Polystyrene Thermal Insulation Except for: Clause 11.10 Oxygen Index High humidity condition in ASTM D2126 and ASTM C870 Procedure BW: Inverted Water Method in ASTM E96
ASTM D 6817 as per: ASTM C 303 ASTM D 1622 ASTM C 165 ASTM D 1621 ASTM C 203	Standard Specification for Rigid Cellular Polystyrene Geofoam
ASTM E605	Thickness-Density of Sprayed Fire Resistive Materials Applied to Structural Members

CAN/ULC S701 as per: ASTM C 303 ASTM C 585 ASTM C 518 ASTM E 96 ASTM D 2126 ASTM C 203 ASTM D 2842 ASTM D 1621	Standard for Thermal Insulation, Polystyrene Boards and Pipe Covering Except for: Clause 7.3.9 Limiting Oxygen Index High humidity condition in ASTM D2126 Procedure BW: Inverted Water Method in ASTM E96
CAN/ULC S702	Standard for Mineral Fibre Thermal Insulation for Buildings
CAN/ULC S703 as per: CAN/ULC S130 ASTM C 518	Standard for Cellulose Fibre Insulation (CFI) for Buildings
CAN/ULC S705.1 as per: CCMC 07273 ASTM D 1622 ASTM D 1621 ASTM D 2126 CAN/ULC S102 ASTM C 518 ASMT D 1623 ASTM D 2842 ASTM E 96	Standard for Thermal Insulation - Spray Applied Rigid Polyurethane Foam, Medium Density - Application Except for: High humidity condition in ASTM D2126 Procedure BW: Inverted Water Method in ASTM E96

(Miscellaneous Construction Materials)

ASTM C 1185	Standard Test Methods for Sampling and Testing Non-Asbestos Fiber-Cement Flat Sheet, Roofing and Siding Shingles, and Clapboards
ASTM C 1186 as per: ASTM C1185	Standard Specification for Flat Fiber-Cement Sheets
ASTM C 1325 as per: ASTM C 947 ASTM C 1185 ASTM C 1185 ASTM C 473 ASTM C 1185 ASTM D 1037 ASTM C 1185 ANSI A118.1 ANSI A118.4 ANSI A136.1 ASTM D 1037 ASTM D 2394 ASTM D 1037 ASTM C 666	Standard Specification for Non-Asbestos Fiber-Mat Reinforced Cementitious Backer Units
ASTM D 1621	Standard Test Method for Compressive Properties Of Rigid Cellular Plastics
ASTM D 1622	Standard Test Method for Apparent Density of Rigid

	Cellular Plastics
ASTM D 1623	Standard Test Method for Tensile and Tensile Adhesion Properties of Rigid Cellular Plastics
ASTM D 2126	Standard Test Method for Response of Rigid Cellular Plastics to Thermal and Humid Aging Except for: High humidity condition
ASTM D3776	Test Methods for Mass per Unit Area (Weight) of Woven Fabric
ASTM D413	Test Methods for Rubber Property-Adhesion to Substrate
ASTM D5199	Standard test Method for Measuring the Nominal Thickness of Geosynthetics
ASTM D6109	Standard Test Method for Flexural Properties of Unreinforced and Reinforced Plastic Lumber
ASTM D638	Test Methods for Tensile Properties of Plastics Only for: Tensile Strength Test
ASTM D6392	Standard Test Mthod for Determining the Integrityof Nonreinforced Geomembrane Seams Produced Using Thermo-Fusion Methods
ASTM D6693	Standard test Method for Determining Tensile Properties of Nonreinforced Polyethylene and Nonreinforced Flexible Polypropylene Geomembranes
ASTM D790	Standard Test Method for Flexural Properties of Unreinforced Plastic and Electrical Insulating Materials
ASTM E96	Standard test Methods for Water Vapor Transmission of Materials Except for: Procedure BW: Inverted Water Method
ASTM G 154	Standard Practice for Operating Fluorescent Light Apparatus for UV Exposure of Nonmetallic Materials

(Roof Coverings (See also ELAS Section))

ASTM D2523	Practice for Testing Load Strain Properties of Roofing Membranes Only for: Tensile Strength and Elongation at Break
ASTM D412	Standard Test Method for Vulcanized Rubber and Thermoplastic Elastomers - Tension Only for: Method A
ASTM D570	Test Method for Water Absorption of Plastics
ASTM D624	Test Method for Rubber Property-Tear Resistance
CAN/CGSB 37.52	Roofing and Waterproofing Membrane, Sheet Applied, Elastomeric
CAN/CGSB 37.54	Polyvinyl Chloride Roofing and Waterproofing Membrane Except for: Procedure BW: Inverted Water Method in ASTM E96
CGSB 37-GP-56M	

	Standard for Membrane, Modified Bituminous, Prefabricated & Reinforced for Roofs
	Except for: Weathering Crack Bridging

(Wall Coverings (See also FIBRE, WOOD and ELAS Sections))

CAN/CGSB 41.24	Rigid Vinyl Siding, Soffits and Fascia
	Except for: Section 7.2.5, Wettability

(Windows and Doors (See also ELAS, METAL, NONMET and WOOD Sections))

AAMA/WDMA/CSA 101/ I.S.2/A440	Standard/Specification for Windows, doors, and Unit Skylights
ASTM C1363	Thermal Performance of Building Assemblies Hot Box Apparatus
ASTM E 2178	Standard Test Method for Air Permeance of Building Materials
ASTM E283	Rate of Air Leakage Through Exterior Windows, Curtain Walls and Doors Under Specified Pressure Difference Across the Specimen
ASTM E330	Structural Performance of Exterior Windows, Curtain Walls and Doors
ASTM E331	Test for Water Penetration
ASTM E547	Test for Water Penetration by Cyclic Static Pressure
ASTM E783	Air Exfiltration for Doors/Windows, Field Test
ASTM F1450	Hollow Metal Swinging Door Assemblies for Detention Facilities
ASTM F476	Test Methods for Security of Swing Door Assemblies
CAN/CGSB 63.14	Plastic Skylights
CAN/CGSB 82.1	Sliding Doors
CAN/CGSB 82.5	Insulated Steel Doors
CAN/CGSB 82.6	Doors, Mirrored Glass, Sliding or Foldable, Wardrobe
CAN/CSA A440	Windows

Prefabricated Assemblies and Kitchen, Office Sections:

Metallic Structures

CAN/CGSB 7.2	Adjustable Steel Columns

ELECTRICAL PRODUCTS AND ELECTRONIC PRODUCTS

Testing of Individual electrical/electronic components as outlined in the national and international standards are excluded

Components and Assemblies:

Switches and Controls

CAN/CSA C22.2 No. 14	Industrial Control Equipment Except for: Cl. 6.4: Overload relay calibration Cl. 6.10: Short-circuit calibration of test circuits Cl. 6.11: Short circuit Overload relays and equipment incorporating overload relays Cl. 6.12: Controllers intended for use on circuits capable of delivering high-fault currents Cl. 6.14: Instantaneous-Trip Circuit Breakers

Electrical Appliances:

Heating, Refrigerating and Air Conditioning

CAN/CSA C22.2 No. 120	Refrigeration Equipment
CSA C22.2 No. 236	Heating and Cooling Equipment 600V max
CSA C22.2 No. 63	Household Refrigerators and Freezers
CSA C22.2 No. 88	Construction and Test of Industrial Heating Equipment

Lighting and Fixtures

CAN/CSA C22.2 No. 207	Portable and Stationary Electric Signs and Displays
CSA C22.2 No. 12	Portable Luminaires
CSA C22.2 No. 1993	Self-Ballasted and Lamp Adapters Except for: Clause 5.3: Polymer Materials
CSA C22.2 No. 250	Luminaires Except for: Cl. 7 Glow Wire End Product Cl. 16.6 Hot Wire Ignition Cl. 16.8 Hot Wire Arc Ignition Cl. 16.9 End Product Arc Resistance Cl. 16.11 Metallized Polymeric Coating Adhesion
CSA C22.2 No. 9	Luminaires Except for: Cl. 6.15.2 Kitchen Counter Alcove

Miscellaneous Electrical Appliances (Specify)

CAN/CSA C22.2 No. 218.1	Spas, Hot Tubs, and Associated Equipment
CAN/CSA C22.2 No. 60950-1	Safety of Information Technology Equipment Including Electrical Business Equipment Except for: Cl.1.5: Components Cl.4.2.5 Impact Test Cl. 3.6 Direct Plugin Equipment C. 4.3.13.2 Ionization Meter

	Cl. 4.3.13.3 Effect of UV Radiation Meter Cl. 4.3.13.5 Laser Radiation Cl. 4.7.3 Materials Tests C.4.7.3.6 Material used in High Voltage Components\ Cl. 6: Connection to the Telecommunication Network, Annex M, Annex K
CAN/CSA C22.2 No. 61010.1-04	Safety Requirements for Electrical Equipment for Measurement, Control and Laboratory Use, Part 1 - General Requirements Except for: Cl.11.6 Specialty Protected Equipment (2P rat6ed). Cl.11.3 High Voltage Devices Clause 12: Protection against radiation including laser sources and ultrasonics
CAN/CSA C222.2 No. 110	Electric Storage Tank Water Heaters
CAN/CSA E60335-2-2	Vacuum Cleaners and Water Suction Appliances Except for: Cl 21.102: Current-carrying hoses shall be resistant to abrasion Cl 21.103: Current-carrying hoses shall be resistant to flexing Cl 21.104: Current-carrying hose shall be resistant to torsion
CSA C22.2 No. 113	Fans and Ventilators Except for: Cl. 6.13: Speed control - Limited short circuit test Cl. 6.16: Hassock fan - Strength test
CSA C22.2 No. 218.2	Hydromassage Bathtub Appliances Environmental Products Except for: Cl. 4.25.1 Plumbing Fittings and Fixtures

METALLIC ORES AND PRODUCTS

Articles of Metal:

All Forms, Articles of Metal

ASTM E18	Test Method for Rockwell Hardness and Rockwell Superficial Hardness of Metallic Materials Only for: B and C scales

NON METALLIC MINERALS AND PRODUCTS

Glass and Glass Products:

ANSI Z97.1	Safety glazing materials used in buildings safety performance specifications and methods of test Only for: Impact, Boil, and Modulus Tests

CAN/CGSB 12.1 Glass, Safety, Tempered or Laminated

Notes:

CAN-P-4E (ISO/IEC 17025): General Requirements for the Competence of Testing and Calibration Laboratories (ISO/IEC 17025-2005)

Chantal Guay, ing., P. Eng.
Vice President, Accreditation Services

Date: 2013-06-24

Number of Scope Listings: 75
SCC 1003-15/59
Partner File #0
Partner: None